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PID/ABCB 209/64
21 September 1964
Copy # _____

MEMORANDUM FOR: Chief, Nuclear Energy Division, OSI

ATTENTION: _____ NSNB/NED/OSI

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID(NPIC)

SUBJECT: Alleged Vochov Research Institute, Vochov, Czechoslovakia

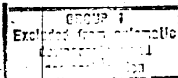
REFERENCES: Requirement No. C-SI4-81,407
CIA Project No. C 839-64

1. This memorandum is in response to the above referenced requirement asking for a photographic evaluation _____

3. The site of the alleged research institute was located at approximately 49-45N 13-16E, on fair quality photography from KH7 _____

4. In general the layout of the installation as imaged on photography appears to agree _____. The collateral report mentioned that the institute was formerly a wire factory and that the outer walls of the closely spaced buildings, in some areas, served the same purpose as a fence or security wall. Photographic evidence indicates that the suspect installation's layout would be consistent with that of a wire factory or light fabrication industry. There is no evidence of unusual security measures although a possible fence is visible on one side of the site.

5. The conclusion reached therefore is that, although it is possible that the alleged institute is involved in the production of atomic reactor parts, there is no photographic evidence to support this possibility or to connect this installation to the atomic energy program in Czechoslovakia.



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6. The following materials were utilized in work performed on this project:

25X1

Maps

USTCC 0231-9982-100A SECRET

25X1

7. The photo analyst on this project was [redacted]
He may be contacted on extension 2934 should you have further questions regarding this project.

8. This memorandum with enclosure completes the referenced requirement.

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Enclosure:

CIA/PID/ABCB/P-262/64 (Annotated Photo Enlargement)

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ALLEGED RESEARCH INSTITUTE
NR. VOCHOV, CZECHOSLOVAKIA
49-45N 13-16E

25X1

POSSIBLE FENCE

CIA/PID/ABCB/P-262/64

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SECRETM/EB 469/64
25 September 1964
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MEMORANDUM FOR: Chief, Defensive Systems Division, OSI

ATTENTION:

THROUGH: Chief, Requirements Branch, Reconnaissance Group, CGS

FROM: Chief, CIA/PID (NPIC)

SUBJECT: Comparison of GUILD Missiles Shown in Moscow May Day Parade, 1964

REFERENCES:

- (a) Requirement C-SI-4-81,434
- (b) CIA/PID Project C 880-64
- (c) TM 30-278, Soviet Tactical Missiles, Photographic Interpretation Key, SECRET

1. This memorandum is in response to your requirement dated 22 May 1964 which requests:

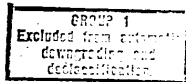
a. Complete mensuration and a line drawing of the GUILD missile seen in the Moscow May Day Parade, 1964.

b. A comparison of this missile with previously observed GUILD missiles, to determine whether any differences exist in the dimensions and configuration of the nose section of the two missiles.

2. The GUILD missile seen in the 1964 May Day Parade revealed a much longer, dark, forward portion of the nose section than had previously been seen on GUILD missiles. This forward section is reportedly red in color, in addition, the nose of this missile appeared sharper than that seen on previous GUILDS.

A mensural analysis from excellent quality hand-held photography was accomplished by the Technical Analysis Branch of TID/NPIC. The results, which are shown in Attachment 1, show this missile to have virtually the same external dimensions as the older model GUILD. Basic dimensions of the older GUILD missile have been included for purposes of comparison, in Attachment 2. These dimensions have been taken from TM 30-278, Soviet Tactical Missiles, Photographic Interpretation Key, SECRET.

The major change in external appearance of the newly observed GUILD appears to be the elongated dark forward section on the nose of the missile.

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SUBJECT: Comparison of GUILD Missiles Shown in Moscow
May Day Parade, 1964

M/EB 469/64

Therefore, special emphasis was placed upon this feature. In order to determine the presence of any differences in size or configuration, a length of the missile nose was subdivided into nine sections of equal length (each approximately 0.81 feet long). The cross-section diameter at each of these nine locations was calculated for each missile. A comparison of these diameters is shown in Attachment 3.

Twelve photographs of the older GUILD and six of the newer GUILD were utilized. The mensuration was repeated on each photograph utilized, and the diameters presented represent an average of these figures. The dimensions shown are reported by NPIC/TID to be accurate

Based on the results of this comparison, the nose sections of the two missiles appear to have identical dimensions and configurations.

4. This project is considered to be complete.

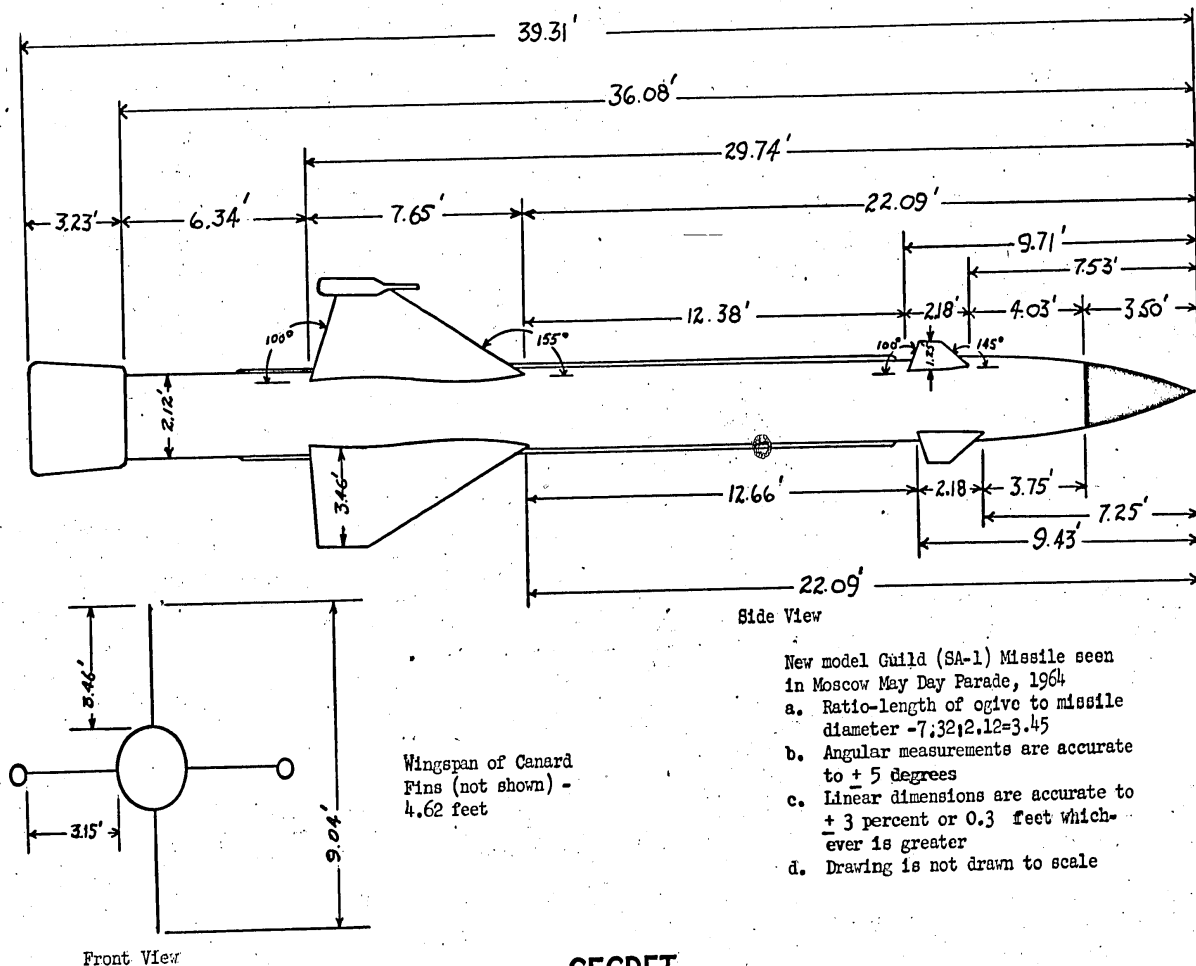
Enclosures:

- 1 - Line drawing of newly observed
GUILD missile (CIA/PID/MEB-P-627/64)
- 2 - Line drawing of older model GUILD
missile (CIA/PID/MEB-P-628/64)
- 3 - Photograph of nose section of newly
identified GUILD missile

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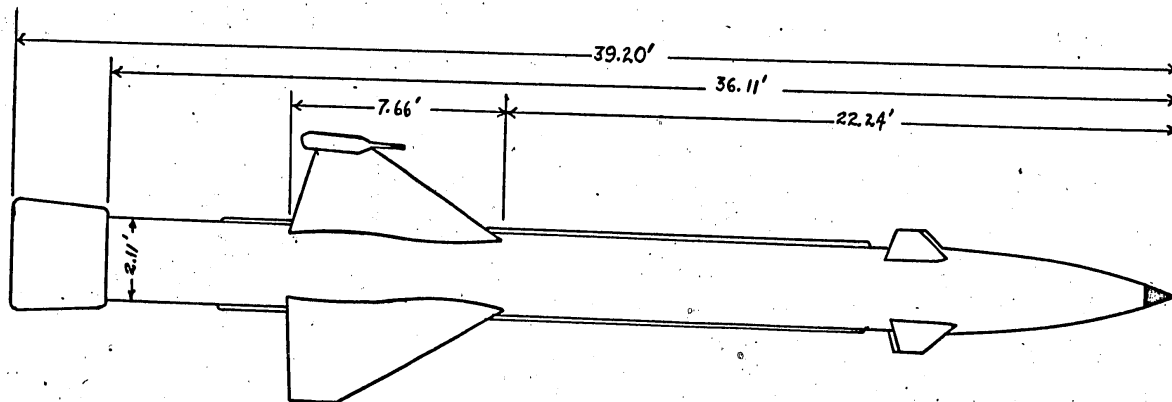
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- New model Guild (SA-1) Missile seen in Moscow May Day Parade, 1964
- Ratio-length of ogive to missile diameter - $7.32; 2.12=3.45$
 - Angular measurements are accurate to ± 5 degrees
 - Linear dimensions are accurate to ± 3 percent or 0.3 feet whichever is greater
 - Drawing is not drawn to scale

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Guild Missile (SA-1)
Basic Dimensions

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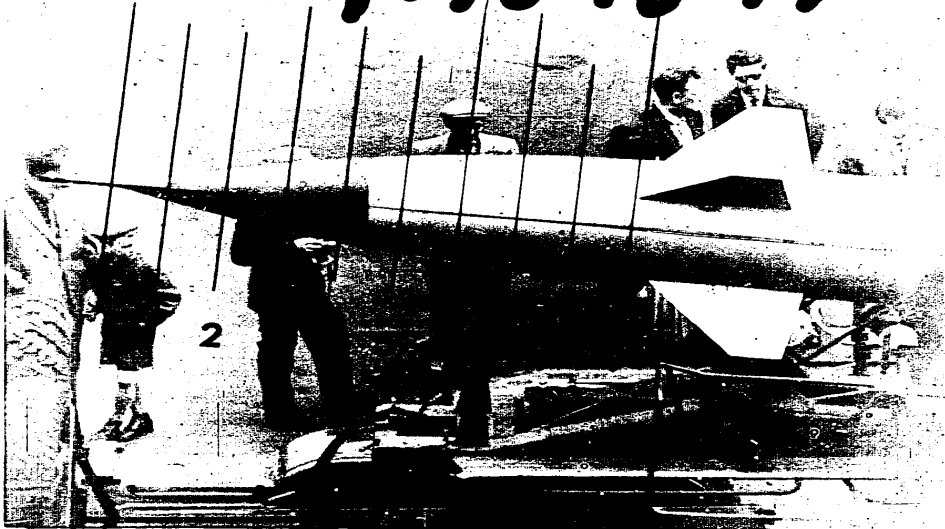
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Attachment 2.
CIA/PID/NE-P-638/64

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Comparison of diameters taken in cross-section at corresponding locations on nose sections of both new model and old model Guild (SA-1) Missiles.

<u>Location No.</u>	<u>New Model Guild</u>	<u>Old Model Guild</u>
1	.38 feet	.43 feet
2	.76 feet	.79 feet
3	1.14 feet	1.14 feet
4	1.44 feet	1.43 feet
5	1.65 feet	1.66 feet
6	1.84 feet	1.83 feet
7	1.96 feet	1.95 feet
8	2.05 feet	2.04 feet
9	2.12 feet	2.12 feet

Note: Photograph is of the new model Guild.

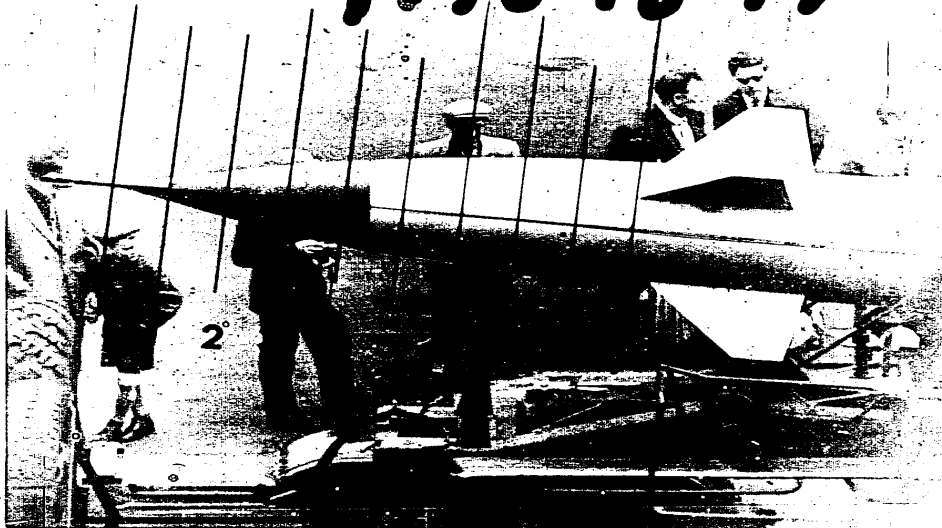
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Attachment 3
CIA/PID/MEB-P-849/64**SECRET**

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Comparison of diameters taken in cross-section at corresponding locations on nose sections of both new model and old model Guild (SA-1) Missiles.

<u>Location No.</u>	<u>New Model Guild</u>	<u>Old Model Guild</u>
1	.38 feet	.43 feet
2	.76 feet	.79 feet
3	1.14 feet	1.14 feet
4	1.44 feet	1.43 feet
5	1.65 feet	1.66 feet
6	1.84 feet	1.83 feet
7	1.96 feet	1.95 feet
8	2.05 feet	2.04 feet
9	2.12 feet	2.12 feet

Note: Photograph is of the new model Guild.

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Attachment 3
CIA/PID/MEB-P-849/64**SECRET**